Datasheet for ABIN1881373

anti-GGT1 antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	GGT1
Binding Specificity:	AA 124-152, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GGT1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This GGT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-152 amino acids from the N-terminal region of human GGT1.
Clone:	RB41020
Isotype:	Ig Fraction
Predicted Reactivity:	Pig, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GGT1
Alternative Name:	GGT1 (GGT1 Products)

Target Details

Background:	The enzyme encoded by this gene catalyzes the transfer of the glutamyl moiety of glutathione to a variety of amino acids and dipeptide acceptors. The enzyme is composed of a heavy chain and a light chain, which are derived from a single precursor protein, and is present in tissues involved in absorption and secretion. This enzyme is a member of the gamma-glutamyltransferase protein family, of which many members have not yet been fully characterized and some of which may represent pseudogenes. This gene is classified as type I gamma-glutamyltransferase. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Molecular Weight:	61410
NCBI Accession:	NP_001027536, NP_001027537, NP_005256, NP_038347
UniProt:	P19440

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

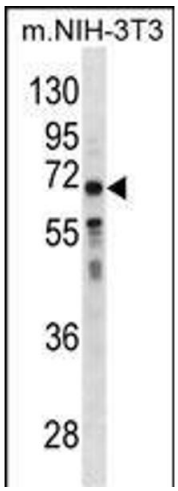
Product cited in:	Xiang, Jiang, Liu, Zhang, Zhu: "hMan2c1 transgene promotes tumor progress in mice." in: **Transgenic research**, Vol. 19, Issue 1, pp. 67-75, (2010) (PubMed). Tian, Ju, Zhou, Liu, Zhu: "Inhibition of alpha-mannosidase Man2c1 gene expression suppresses growth of esophageal carcinoma cells through mitotic arrest and apoptosis." in: **Cancer**

Publications

science, Vol. 99, Issue 12, pp. 2428-34, (2008) (PubMed).

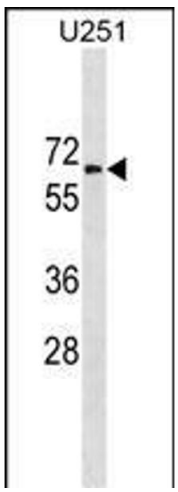
Qu, Ju, Chen, Shi, Xiang, Zhou, Tian, Liu, Zhu: "Inhibition of the alpha-mannosidase Man2c1 gene expression enhances adhesion of Jurkat cells." in: **Cell research**, Vol. 16, Issue 7, pp. 622-31, (2006) (PubMed).

Images



Western Blotting

Image 1. GGT1 Antibody (N-term) (ABIN1881373 and ABIN2838799) western blot analysis in mouse NIH-3T3 cell line lysates (35 µg/lane).This demonstrates the GGT1 antibody detected the GGT1 protein (arrow).



Western Blotting

Image 2. GGT1 Antibody (N-term) (ABIN1881373 and ABIN2838799) western blot analysis in cell line lysates (35 µg/lane).This demonstrates the GGT1 antibody detected the GGT1 protein (arrow).